

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	10 084, 507 A	
Source:	OIPE	_
Date Processed by STIC:	7/2/02	

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 3.1 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

- U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
- U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
- 4 Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1803-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 10 084,507A
ATTN: NEW RULES CASES	: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s)contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
Patentin 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13 Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001



Does Not Comply Corrected Diskette Needed

OIPE

See also p. 12 DATE: 07/02/2002 RAW SEQUENCE LISTING PATENT APPLICATION: US/10/084,507A TIME: 10:05:44 Input Set : A:\100879_1.asc Output Set: N:\CRF3\07022002\J084507A.raw ₹110> APPLICANT: MUNROE, Donald G. 5 . KAMBOJ, Rajender PETERS, Diana KOOSHESH, Fatemeh VYAS, Tejal B. GUPTA, Ashwani K. 11 <120> TITLE OF INVENTION: IDENTIFICATION OF LYSOLIPID RECEPTORS INVOLVED IN INFLAMMATORY RESPONSE 14 <130> FILE REFERENCE: 8074-8021 C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/084,507A C--> 17 <141> CURRENT FILING DATE: 2002-06-14 19 <150> PRIOR APPLICATION NUMBER: 60/109,885 20 <151> PRIOR FILING DATE: 1998-11-25 22 <150> PRIOR APPLICATION NUMBER: 60/080,610 23 <151> PRIOR FILING DATE: 1998-04-03 25 <150> PRIOR APPLICATION NUMBER: 60/070,185 26 <151> PRIOR FILING DATE: 1997-12-30 28 <160> NUMBER OF SEQ ID NOS: 25 30 <170> SOFTWARE: PatentIn Ver. 2.1 See error summon sheet item !

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the line, on the night margin ERRORED SEQUENCES 32 <210> SEQ ID NO: 1 33 <211> LENGTH: 35 34 <212> TYPE: DNA 35 <213> ORGANISM: Rattus sp. 37 <400> SEQUENCE: 1 E--> 38 gagaaggttc aggaacacta caattacacc aagga 39 (35) 42 <210> SEQ ID NO: 2 43 <211> LENGTH: 25 44 <212> TYPE: DNA 45 <213> ORGANISM: Artificial Sequence 47 <220> FEATURE: 48 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic primer 51 <400> SEQUENCE: 2 E--> 52 attataccaa ggagacgctg gaaac 53 (25)

56 <210> SEQ ID NO: 3 57 <211> LENGTH: 25

DATE: 07/02/2002

TIME: 10:05:44

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      95 26
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/084,507A

DATE: 07/02/2002 TIME: 10:05:44

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E--> 192 tatatatcta gagaccaccg tgttgccctc cag
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/084,507A

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Output Set: N:\CRF3\07022002\J084507A.raw

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- E--> 204 cctgaacccc aacaaggtcc aggaacacta taattatacc aaggagacgc tggaaacgca
- E--> 206 ggagacgacc tecegecagg tggcetegge atteategte atectetgtt gegecattgt 207 180
- E--> 208 ggtggaaaac cttctggtgc tcattgcggt ggcccgaaac agcaagttcc actcggcaat 209 240
- E--> 210 gtacctgttt ctgggcaacc tggccgcctc cgatctactg gcaggcgtgg ccttcgtagc 211 300
- E--> 212 caatacettg ctctctggct ctgtcacgct gaggctgacg cctgtgcagt ggtttgcccg 213 360
- E--> 214 ggacggtctg ccttcatcac gctctcggcc tctgtcttca gcctcctggc catcgccatt 215 420
- E--> 216 gagcgccacg tggccattgc aaagg
 - 217 445
 - 220 <210> SEQ ID NO: 14
 - 221 <211> LENGTH: 364
 - 222 <212> TYPE: DNA
 - 223 <213> ORGANISM: Homo sapiens
 - 225 <400> SEQUENCE: 14
- E--> 226 aaagccccat ggccccagca ggcctctgag ccccaccatg ggcagcttgt actcggagta 227 60
- E--> 228 cctgaacccc aacaaggtcc aggaacacta taattatacc aaggagacgc tggaaacgca
- E--> 230 ggagacgacc tcccgccagg tggcctcggc cttcatcgtc atcctctgtt gcgccattgt 231 180
- E--> 232 ggtggaaaac cttctggtgc tcattgcggt ggcccgaaac agcaagttcc actcggcaat 233 240
- E--> 234 gtacetgttt etgggeaace tggcegeete egatetactg geaggegtgg cettegtage
- E--> 236 caatacettg ctctctggct ctgtcacgct gaggctgacg cctgtgcagt ggtttgcccg 237 360
- E--> 238 ggac
 - 239 364

235 300

- 242 <210> SEQ ID NO: 15
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- 244 <212> TYPE: DNA
- 245 <213> ORGANISM: Homo sapiens
- 247 <400> SEQUENCE: 15
- E--> 248 agttctgaaa gccccatggc cccagcaggc ctctgagccc caccatgggc agcttgtact 24.9_6.0_
- E--> 250 cggagtacct gaaccccaac aaggtccagg aacactataa ttataccaag gagacgctgg 251 120

Input Set : A:\100879_1.asc

Output Set: N:\CRF3\07022002\J084507A.raw

E--> 252 aaacgcagga gacgacetee egecaggtgg geteggeett categteate etetgttgeg E--> 254 ccattgtggt ggaaaacctt ctggtgctca ttgcggtggc ccgaaacagc aagttccact 255 240 E--> 256 cggcaatgta cctgtttctg ggcaacctgg ccgcctccga tctactggca ggcgtggctt 257 300 E--> 258 cgtagccaat accttgctct ctggctctgt cacgctgagg ctgacgcctg tgcagtggtt 259 360 E--> 260 tgcccggga 261 369 264 <210> SEQ ID NO: 16 265 <211> LENGTH: 1170 266 <212> TYPE: DNA 267 <213> ORGANISM: Homo sapiens 269 <220> FEATURE: 270 <221> NAME/KEY: CDS 271 <222> LOCATION: (38)..(1096) 273 <400> SEQUENCE: 16 E--> 274 aaageeccat ggeeccagea ggeetetgag ecceaec atg gge age ttg tae teg 275 55 276 Met Gly Ser Leu Tyr Ser 277 E--> 279 gag tac ctg aac ccc aac aag gtc cag gaa cac tat aat tat acc aag 280 103 281 Glu Tyr Leu Asn Pro Asn Lys Val Gln Glu His Tyr Asn Tyr Thr Lys 282 E--> 284 gag acg ctg gaa acg cag gag acg acc tcc cgc cag gtg gcc tcg gcc 285 151 286 Glu Thr Leu Glu Thr Gln Glu Thr Thr Ser Arg Gln Val Ala Ser Ala E--> 289 ttc atc gtc atc ctc tgt tgc gcc att gtg gtg gaa aac ctt ctg gtg 290 199 291 Phe Ile Val Ile Leu Cys Cys Ala Ile Val Val Glu Asn Leu Leu Val 292 40 45 E--> 294 ctc att gcg gtg gcc cga aac agc aag ttc cac tcg gca atg tac ctg 296 Leu Ile Ala Val Ala Arg Asn Ser Lys Phe His Ser Ala Met Tyr Leu 60 E--> 299 ttt ctg ggc aac ctg gcc gcc tcc gat cta ctg gca ggc gtg gcc ttc 300 295 301 Phe Leu Gly Asn Leu Ala Ala Ser Asp Leu Leu Ala Gly Val Ala Phe 302 75 E--> 304 gta gcc aat acc ttg ctc tct ggc tct gtc acg ctg agg ctg acg cct 305 343 306 Val Ala Asn Thr Leu Leu Ser Gly Ser Val Thr Leu Arg Leu Thr Pro 307 E-->-309-gtg-cag-tgg-ttt-gcc-cgg-gag-ggc-tct-gcc-ttc-atc-acg_ctc_tcg_gcc

311 Val Gln Trp Phe Ala Arg Glu Gly Ser Ala Phe Ile Thr Leu Ser Ala

Input Set : A:\100879_1.asc

Output Set: N:\CRF3\07022002\J084507A.raw

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	342		200					205					210				
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			val	Arg	ser	ser		Ата	Asp	мет	Ala		Pro	GIn	Thr	теп	
п .		215					220	-+-		-+-		225		-+-		+	230
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	357				250					255	-	•		•	260		
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	367		280					285					290				
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		-967-		•	~ ?					• .			m- · · ·	•			77- 1
			Arg	Arg	GIU	val		arg	Pro	ьeu	Gln	_	Trp	arg	PLO	GTÄ	
	3/2	295					300					305					310

Input Set : A:\100879_1.asc

Output Set: N:\CRF3\07022002\J084507A.raw

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                       315
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    380 1063
    381 Pro Leu Arg Ser Ser Ser Leu Glu Arg Gly Met His Met Pro Thr
                    330
                                       335
E--> 384 tca ccc acg ttt ctg gag ggc aac acg gtg gtc tgagggtggg ggtggaccaa
    385 1116
    386 Ser Pro Thr Phe Leu Glu Gly Asn Thr Val Val
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E--> 389 caaccaggcc agggcatagg ggttcatgga aaggccactg ggtgacccca aata
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    405 Arg Gln Val Ala Ser Ala Phe Ile Val Ile Leu Cys Cys Ala Ile Val
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    408 Val Glu Asn Leu Leu Val Leu Ile Ala Val Ala Arg Asn Ser Lys Phe
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    411 His Ser Ala Met Tyr Leu Phe Leu Gly Asn Leu Ala Ala Ser Asp Leu
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                                       105
    420 Phe Ile Thr Leu Ser Ala Ser Val Phe Ser Leu Leu Ala Ile Ala Ile
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230

235

240

442 225

DATE: 07/02/2002 RAW SEQUENCE LISTING PATENT APPLICATION: US/10/084,507A TIME: 10:05:44

Input Set : A:\100879_1.asc

- Output Set: N:\CRF3\07022002\J084507A.raw 444 Val Phe Ile Val Cys Trp Leu Pro Ala Phe Ser Ile Leu Leu Asp 245 250 447 Tyr Ala Cys Pro Val His Ser Cys Pro Ile Leu Tyr Lys Ala His Tyr 448 260 265 270 E--> 450 Xaa Phe Ala Val Ser Thr Leu Asn Ser Leu Leu Asn Pro Val Ile Tyr 451 275 ⁻28⁰ -- - 285 - - - - - -453 Thr Trp Arg Ser Arg Asp Leu Arg Arg Glu Val Leu Arg Pro Leu Gln 290 295 300 456 Cys Trp Arg Pro Gly Val Gly Val Gln Gly Arg Arg Gly Gly Thr 457 305 310 315 459 Pro Gly His His Leu Leu Pro Leu Arg Ser Ser Ser Leu Glu Arg 330 462 Gly Met His Met Pro Thr Ser Pro Thr Phe Leu Glu Gly Asn Thr Val 463 340 345 465 Val 470 <210> SEQ ID NO: 18 471 <211> LENGTH: 1170 472 <212> TYPE: DNA 473 <213> ORGANISM: Homo sapiens 475 <400> SEQUENCE: 18 E--> 476 tttcggggta ccggggtcgt ccggagactc ggggtggtac ccgtcgaaca tgagcctcat E--> 478 ggacttgggg ttgttccagg tccttgtgat attaatatgg ttcctctgcg acctttgcgt 479 120 E--> 480 cctctgctgg agggcggtcc accggagccg gaagtagcag taggagacaa cgcggtaaca 481 180 E--> 482 ccaccttttg gaagaccacg agtaacgcca ccgggctttg tcgttcaagg tgagccgtta 483 240 E--> 484 catggacaaa gacccgttgg accggcggag gctagatgac cgtccgcacc ggaagcatcg E--> 486 gttatggaac gagagaccga gacagtgcga ctccgactgc ggacacgtca ccaaacgggc 487 360 E--> 488 cctcccgaga cggaagtagt gcgagagccg gagacagaag tcggaggacc ggtagcggta 489 420 E--> 490 actogoggtg cacoggtaac ggttccagtt cgacataccg tcgctgttct cgacggcgta 491 480 E--> 492 cgaagacgag tagccccgga gcaccgagta gagcgaccag gagccaccgg acgggtagga 493 540 E--> 494 accgacettg acggacecgg tggagetecg gacgaggtga caggacggag agatgeggtt 495 600
- E--> 496 cgtaatacac gacacgcacc actggtagaa gaggtagtag gacaaccggt agcaccggga 497 660
- E--> 498 catgcacgcg tagatgacgc accaggcgag ttcggtgcga ctgtaccggc ggggcgtctg
- 499 720
- E--> 500 cgatcgggac gagttctgcc agtggtagca cgatccgcag aaatagcaga cgaccgacgg 501 780
- E-->-502_gcggaagtcg_taggaggaag_acctgatacg_gacagggcag_gtgaggacgg_gctaggagat_ 503 840
- E--> 504 gtttcgggtg atgraaaagc ggcagaggtg ggacttaagg gacgagttgg ggcagtagat

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Output Set: N:\CRF3\07022002\J084507A.raw

505 900 E--> 506 gtgcaccgcg tcggccctgg acgccgcct ccacgaagcc ggcgacgtna cgaccgccgg E--> 508 cocccacco cacgttcctg cetccgccc gccctggggc ccggtggtgg aggacggtga 509 1020 E--> 510 ggcgtcgagg tcgagggacc tctccccgta cgtgtacggg tgcagtgggt gaaaagacct 511 1080 E--> 512 cccgttgtgc caccagactc ccaccccac ctggttgttg gtccggtccc gtatccccaa 513 1140 E--> 514 gtacctttcc ggtgacccac tggggtttat 515 1170 518 <210> SEQ ID NO: 19 519 <211> LENGTH: 1062 520 <212> TYPE: DNA 521 <213> ORGANISM: Homo sapiens 523 <400> SEQUENCE: 19 E--> 524 atgggcaget tgtactegga gtacetgaac eccaacaagg tecaggaaca etataattat 525 60 E--> 526 accaaggaga cgctggaaac gcaggagacg acctcccgcc aggtggcctc ggccttcatc 527 120 E--> 528 gtcatcctct gttgcgccat tgtggtggaa aaccttctgg tgctcattgc ggtggcccga 529 180 E--> 530 aacagcaagt tccactcggc aatgtacctg tttctgggca acctggccgc ctccgatcta 531 240 E--> 532 ctggcaggcg tggccttcgt agccaatacc ttgctctctg gctctgtcac gctgaggctg 533 300 E--> 534 acgcctgtgc agtggtttgc ccgggagggc tctgccttca tcacgctctc ggcctctgtc 535 360 E--> 536 ttcagcctcc tggccatcgc cattgagcgc cacgtggcca ttgccaaggt caagctgtat 537 420 E--> 538 ggcagegaca agagetgeeg catgettetg etcategggg cetegtgget catetegetg 539 480 E--> 540 gtcctcggtg gcctgcccat ccttggctgg aactgcctgg gccacctcga ggcctgctcc 541 540 E--> 542 actgtcctgc ctctctacgc caagcattat gtgctgtgcg tggtgaccat cttctccatc 543 600 E--> 544 atcctgttgg ccgtcgtggc cctgtacgtg cgcatctact gcgtggtccg ctcaagccac 545 660 E--> 546 gctgacatgg ccgccccgca gacgctagcc ctgctcaaga cggtcaccat cgtgctaggc 547 720 E--> 548 gtctttateg tetgetgget gecegeette ageateetee ttetggaeta tgeetgteee 549 780 E--> 550 gtccactcct gcccgatcct ctacaaagcc cactaccttt tcgccgtctc caccctgaat 551 840 E--> 552 tecetgetea acceegteat etacaegtgg egeageeggg acctgeggeg ggaggtgett 553 900

-E-->-554--eggcegetge-agtgetggeg--geegggggtg--ggggtgcaag_gaeggaggeg__gggegggace_

E--> 556 cogggccacc acctectgcc actcogcage tecagetece tggagagggg catgeacatg

555 960

Input Set : A:\100879_1.asc

. '. '

Output Set: N:\CRF3\07022002\J084507A.raw

557 1020 E--> 558 cccacgtcac ccacgtttct ggagggcaac acggtgqtct qa 559 1062 562 <210> SEQ ID NO: 20 563 <211> LENGTH: 1062 564 <212 TYPE: DNA 565 <213> ORGANISM: Homo sapiens 567 <400> SEQUENCE: 20 E--> 568 tacccgtcga acatgagect catggacttg gggttgttcc aggtecttgt gatattaata 569 60 E--> 570 tggttcctct gcgacctttg cgtcctctgc tggagggcgg tccaccggag ccggaagtag 571 120 E--> 572 cagtaggaga caacgeggta acaccacett ttggaagace acgagtaacg ecaceggget 573 180 E--> 574 ttgtcgttca aggtgagccg ttacatggac aaagacccgt tggaccggcg gaggctagat 575 240 E--> 576 gaccgtccgc accggaagca tcggttatgg aacgagagac cgagacagtg cgactccgac 577 300 E--> 578 tgeggacacg teaceaaacg ggeeeteeeg agaeggaagt agtgegagag eeggagaeag 579 360 E--> 580 aagteggagg aceggtageg gtaactegeg gtgeaceggt aaeggtteea gttegacata E--> 582 ccgtcgctgt tctcgacggc gtacgaagac gagtagcccc ggagcaccga gtagagcgac 583 480 E--> 584 caggagccac cggacgggta ggaaccgacc ttgacggacc cggtggagct ccggacgagg 585 540 E--> 586 tgacaggacg gagagatgcg gttcgtaata cacgacacgc accactggta gaagaggtag 587 600 E--> 588 taggacaacc ggcagcaccg ggacatgcac gcgtagatga cgcaccaggc gagttcggtg 589 660 E--> 590 cgactgtacc ggcggggcgt ctgcgatcgg gacgagttct gccagtggta gcacgatccg 591 720 E--> 592 cagaaatagc agacgaccga cgggcggaag tcgtaggagg aagacctgat acggacaggg 593 780 E--> 594 caggtgagga cgggctagga gatgtttcgg gtgatggaaa agcggcagag gtgggactta 595 840 E--> 596 agggacgagt tggggcagta gatgtgcacc gcgtcggccc tggacgccgc cctccacgaa 597 900 E--> 598 geoggegaeg teaegaeege eggeeeceae ceceaegtte etgeeteege eeegeeetgg 599 960 E--> 600 ggcccggtgg tggaggacgg tgaggcgtcg aggtcgaggg acctctcccc gtacgtgtac 601 1020 E--> 602 gggtgcagtg ggtgcaaaga cctcccgttg tgccaccaga ct 603 1062 831 <210> SEQ ID NO: 24 832 <211> LENGTH: 1056

833 <212> TYPE: DNA

836 <400> SEQUENCE: 24

834 <213> ORGANISM: Homo sapiens

Input Set : A:\100879_1.asc

Output Set: N:\CRF3\07022002\J084507A.raw

E>	837 838		tgggccagtg	ctactacaac	gagaccatcg	gcttcttcta	taacaacagt
E>	839		tcagctccca	ctggcggccc	aaggatgtgg	tcgtggtggc	actggggctg
E>	841		tgctggtgct	gctgaccaat	ctgctggtca	tagcagccat	cgcctccaac
E>		cgccgcttcc 240	accagcccat	ctactacctg	ctcggcaatc	tggccgcggc	tgacctcttc
E>		gcgggcgtgg 300	cctacctctt	cctcatgttc	cacactggtc	cccgcacagc	ccgactttca
E>	847 848		ggttcctgcg	gcagggcttg	ctggacacaa	gcctcactgc	gtcggtggcc
E>	849 850		ccatcgccgt	ggagcggcac	cgcagtgtga	tggccgtgca	gctgcacagc
E>	851 852		gtggccgcgt	ggtcatgctc	attgtgggcg	tgtgggtggc	tgccctgggc
E>	853 854		tgcctgccca	ctcctggcac	tgcctctgtg	ccctggaccg	ctgctcacgc
E>	855 856		tgctcagccg	ctcctatttg	gccgtctggg	ctctgtcgag	cctgcttgtc
E>	857 858		tggtggctgt	gtacacccgc	attttcttct	acgtgcggcg	gcgagtgcag
E>	859 860		agcatgtcag	ctgccacccc	cgctaccgag	agaccacgct	cagcctggtc
E>	861 862		tcatcatcct	gggggcgttc	gtggtctgct	ggacaccagg	ccaggtggta
E>	863 864		atggtttagg	ctgtgagtcc	tgcaatgtcc	tggctgtaga	aaagtacttc
E>	865 866		ccgaggccaa	ctcactggtc	aatgctgctg	tgtactcttg	ccgagatgct
E>	867 868		gcaccttccg	ccgccttctc	tgctgcgcgt	gcctccgcca	gtccacccgc
E>		gagtctgtcc 1020	actatacatc	ctctgcccag	ggaggtgcca	gcactcgcat	catgcttccc
E>		gagaacggcc 1056	acccactgat	ggactccacc	ctttag		

VARIABLE LOCATION SUMMARY

DATE: 07/02/2002

PATENT APPLICATION: US/10/084,507A

TIME: 10:05:45

Input Set : A:\100879_1.asc

Output Set: N:\CRF3\07022002\J084507A.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing. Use of <220> to <223> is MANDATORY if n's or Xaa's are present. in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:16; Xaa Pos. 273 Seq#:17; Xaa Pos. 273 Seq#:18; N Pos. 949

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/084,507A

DATE: 07/02/2002 TIME: 10:05:45

Input Set : A:\100879_1.asc

Output Set: N:\CRF3\07022002\J084507A.raw

L:1 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION: L:16 M:270 C: Current Application Number differs, Replaced Current Application Number L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:38 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:35 SEQ:1 L:52 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:25 SEQ:2 L:66 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:25 SEQ:3 - --L:80 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:4 L:94 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:26 SEQ:5 L:108 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:26 SEQ:6 L:122 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:26 SEQ:7 L:136 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:34 SEQ:8 L:150 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:37 SEQ:9 L:164 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:32 SEQ:10 L:178 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:33 SEQ:11 L:192 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:33 SEQ:12 L:202 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:13 M:254 Repeated in SeqNo=13 L:226 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:14 M:254 Repeated in SeqNo=14 L:248 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:15 M:254 Repeated in SeqNo=15 L:274 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:55 SEQ:16 M:254 Repeated in SeqNo=16 L:361 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:16 L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:871 L:450 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:17 L:476 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:18 M:254 Repeated in SeqNo=18 M:340 Repeated in SeqNo=18 L:524 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:19 M:254 Repeated in SeqNo=19 L:568 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:20 M:254 Repeated in SeqNo=20 L:837 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:24 M:254 Repeated in SeqNo=24 L:881 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:25

M:254 Repeated in SeqNo=25